

ROLLER DIE PREFORMER FOR WIDE EXTRUSIONS

ABSTRACT

A roller die preformer for use in an extrusion system to form wide extruded components, such as a rubber tire tread, on a surface of a roller. The roller die preformer includes a flow inlet, a flow outlet and a laterally expanding flow channel extending from the flow inlet to the flow outlet. A flow restrictor is

5 configured within the flow channel to urge the flow of material toward the lateral extremities of the flow channel to thereby form an extruded component at the flow outlet having a lateral width which is greater than the lateral width of the flow inlet of the preformer.